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**MONTHLY LETTER OF THE BUREAU OF ENTOMOLOGY  
UNITED STATES DEPARTMENT OF AGRICULTURE****Number 84****April, 1921****TRUCK CROP INSECT INVESTIGATIONS****F. H. Chittenden, Entomologist in Charge**

W. H. White has recently made two trips into the early potato region of Virginia and Maryland, for the purpose of investigating an outbreak of the seed-corn maggot or bean fly in its attack on new potatoes. The injury to potatoes is due only partially to the attack of the seed-corn maggot, being complicated by an outbreak of a fungus belonging to the genus *Fusarium*, which appears at times to follow the attack of the maggot, while in other cases it acts singly and independently. Investigations towards the northern portion of the Maryland peninsula indicate that the fungus alone is a material factor in the damage, while the insect injury is predominant on the mainland, evidently being alone responsible in many cases. The fly of the seed-corn maggot is attracted to the potato field by decaying organic matter used in fertilizers, such as fish, tankage, and dried blood, as is also the case in fields in which kale and crimson clover have been plowed under.

J. E. Graf, in charge of the field work in Mexican bean beetle control, reports that the late frost which reached Birmingham, Ala., killed growing beans to the ground over almost the entire infested territory, but the severe frost seems to have caused no reduction whatever in the numbers of the beetles. Inspection work and regional quarantine measures have been begun in preparation for the Federal Horticultural Board Quarantine effective May 1.

B. G. Sitton, inspector of the State Plant Board of Alabama, has been appointed for a temporary period to organize and secure the thorough cooperation of the railroads and other common carriers of the State of Alabama with the United States Department of Agriculture with reference to the enforcement of the Federal Horticultural Board Quarantine No. 50.

The following have been appointed to act as district inspectors in connection with the enforcement of Quarantine No. 50 against the Mexican bean beetle: Fred P. Bickley, T. F. Catchings, F. R. White, L. W. Brannon, M. H. Atwood, O. Z. Smith, and H. B. Lancaster.

James R. Douglass, of Clemson College, S. C., has accepted an appointment to assist Neale F. Howard in research work against the Mexican bean beetle.

W. A. Thomas has been appointed to investigate truck crop insects in the vicinity of Chadbourn, N. C., at which point he will be stationed. It will be remembered that Mr. Thomas acted as Extension Entomologist during the recent war.



## SOUTHERN FIELD CROP INSECT INVESTIGATIONS

J. L. Webb, Entomologist Acting in Charge.

Dr. W. D. Hunter and B. R. Coad spent the greater part of the month in the Laguna district of Mexico in connection with the pink bollworm problem.

F. C. Bishopp of the Dallas Laboratory is in New York State where a series of experiments in ox warble control among dairy cattle is to be carried on.

The following have been appointed to positions on the boll weevil force at Tallulah, La.: Melville Kearney, John W. Couch, Richard H. Flake, and Adolph Thomae.

W. R. Smith and R. C. Gaines have been transferred from the Federal Horticultural Board to the boll weevil force at Tallulah, La.

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### LIBRARY

Mabel Colcord, Librarian

#### New Books

Brues, C. T. Correlation of taxonomic affinities with food habits in Hymenoptera, with special reference to parasitism. American Naturalist, v. 55, no. 637, p. 134-164, March-April, 1921.  
Bibliography, p. 159-164.

Carpenter, G. H. Injurious insects and other animals observed in Ireland during the years 1916, 1917 and 1918. Royal Dublin Society. Economic proceedings, v. 2, no. 15, p. 259-272, pl. XX-XXIII. Nov. 1920.

Chittenden, F. J. The garden doctor: plants in health and disease. 154 p., plates. London, Office of "Country Life, Ltd." 1920.

Dana, J. C. A library primer. xii, 263 p., illus. Boston, New York, (etc.) Library Bureau (1920.) (Contains lists of books for small libraries.)

Eckstein, Fritz Die einheimischen stechmücken ... 58 p., illus. Munchen, Verlag Natur und Kultur, Dr. Franz Josef Viller, 1920. (Einzeldarstellungen aus dem Gebiet der angewandten naturwissenschaften hrsg. von Dr. Hans Walther Frickhinzer, Munchen, Nr. 3.)

Fletcher, T. B. Life-histories of Indian insects - Microlepidoptera I. Pterophoridae. 217 p., 68 plates. Calcutta and London, Thacker, Spink & Co., Nov., 1920. (Memoirs of the Dept. of Agr. in India, Ent. Ser., v. 6, no. 1-9.)

